

## **AMENDMENTS TO THE SPECIFICATION:**

Replace the first paragraph on the first page of the specification with the following rewritten version:

### **TECHNICAL FIELD**

The present invention relates to a method for reconstructing and representing multidimensional objects ~~according to the generic part of claim 1~~ and to a device for reconstructing and representing multidimensional objects from one-dimensional or two-dimensional image data ~~according to the generic part of claim 18, as well as two preferred uses according to claims 21 and 22.~~

Add the following subtitle before the second paragraph on the first page of the specification:

- BACKGROUND OF THE INVENTION- -

Add the following subtitle before the last paragraph on the fifth page of the specification:

- SUMMARY OF THE INVENTION- -

Replace the third complete paragraph on the fifth page of the specification with the following rewritten version:

~~It is therefore the object of the~~The invention ~~to improve~~ conventional methods and devices for reconstructing and representing multidimensional objects from one- or two-dimensional image data so that that they can be carried out quickly and easily, require less calculation time and fewer processing steps and hence are cheaper and adapted for use in real time.

Delete the first paragraph in its entirety on the sixth page of the specification.

Add the following subtitle before the second complete paragraph on the fourteenth page of the specification:

- BRIEF DESCRIPTION OF THE DRAWINGS- -

Add the following subtitle before the last paragraph on the fifteenth page of the specification:

- -DETAILED DESCRIPTION OF THE DRAWINGS- -